AMENDMENTS TO THE CLAIMS

In the Claims

The following is a marked-up version of the claims with the language that is underlined ("___") being added and the language that contains strikethrough ("-__") being deleted:

- (Original) A method for fabricating an integrated circuit device comprising:
 providing a stack of semiconductor materials overlying a substrate;
 depositing a stress-balancing dielectric layer overlying said stack;
 depositing an anti-reflective coating (ARC) layer overlying said stress-balancing layer;
 thereafter patterning said stack to form first semiconductor device structures; and
 performing thermal processes to form second semiconductor device structures overlying
 said first semiconductor device structures wherein said stress-balancing layer prevents formation
 of stress-induced voids during said thermal processes.
- 2. (Original) The method according to Claim 1 wherein said step of providing said stack of semiconductor materials comprises:

providing shallow trench isolation regions within said substrate;
etching trenches into said shallow trench isolation regions where capacitors are to be formed;

depositing a first conducting layer into said trenches and etching away said first conducting layer except where it lines said trenches to form bottom electrodes of said capacitors; depositing a capacitor dielectric layer overlying said bottom electrodes; and depositing a top electrode layer overlying said capacitor dielectric layer.

- 3. (Original) The method according to Claim 1 wherein said balancing dielectric layer has a stress opposite to said ARC layer's intrinsic stress.
- 4. (Original) The method according to Claim 1 wherein said balancing dielectric layer comprises oxide, silicon nitride, or silicon oxynitride.
- 5. (Original) The method according to Claim 1 wherein said ARC layer comprises silicon oxynitride deposited by plasma enhanced chemical vapor deposition (PECVD).
- 6. (Original) The method according to Claim 1 wherein said ARC layer has an intrinsic tensile stress and wherein said stress-balancing layer has a compressive stress.
- 7. (Original) The method according to Claim 1 wherein said ARC layer has an intrinsic compressive stress and wherein said stress-balancing layer has a tensile stress.
- 8. (Original) The method according to Claim 1 wherein said first semiconductor devices are capacitors and wherein said second semiconductor devices are gate transistors.
- 9. (Original) The method according to Claim 1 wherein said thermal processes comprise: growing a gate oxide layer on said substrate; and annealing to drive in source and drain implantations.

- 10. (Original) The method according to Claim 1 wherein said integrated circuit comprises a single transistor SRAM device.
- 11. (Original) A method for fabricating an integrated circuit device comprising: providing a stack of semiconductor materials overlying a substrate; depositing a stress-balancing dielectric layer overlying said stack wherein said stress-balancing layer has a compressive stress;

depositing an anti-reflective coating (ARC) layer overlying said stress-balancing layer wherein said ARC layer has an intrinsic tensile stress;

thereafter patterning said stack to form first semiconductor device structures; and performing thermal processes to form second semiconductor device structures overlying said first semiconductor device structures wherein said stress-balancing layer prevents formation of stress-induced voids during said thermal processes.

12. (Original) The method according to Claim 11 wherein said step of providing said stack of semiconductor materials comprises:

providing shallow trench isolation regions within said substrate;

etching trenches into said shallow trench isolation regions where capacitors are to be formed;

depositing a first conducting layer into said trenches and etching away said first conducting layer except where it lines said trenches to form bottom electrodes of said capacitors; depositing a capacitor dielectric layer overlying said bottom electrodes; and

depositing a top electrode layer overlying said capacitor dielectric layer.

- 13. (Original) The method according to Claim 11 wherein said balancing dielectric layer comprises oxide, silicon nitride, or silicon oxynitride.
- 14. (Original) The method according to Claim 11 wherein said ARC layer comprises silicon oxynitride deposited by plasma enhanced chemical vapor deposition (PECVD).
- 15. (Original) The method according to Claim 11 wherein said first semiconductor devices are capacitors and wherein said second semiconductor devices are gate transistors.
- 16. (Original) The method according to Claim 11 wherein said thermal processes comprise: growing a gate oxide layer on said substrate; and annealing to drive in source and drain implantations.
- 17. (Original) The method according to Claim 11 wherein said integrated circuit comprises a single transistor SRAM device.
- 18. (Withdrawn) An integrated circuit device comprising:
- a bottom electrode of a capacitor formed lining trenches within shallow trench isolation regions within a substrate;
 - a capacitor dielectric layer overlying said bottom electrode;
- a top electrode layer overlying the capacitor dielectric layer within and overlying said shallow isolation regions;
 - a stress-balancing dielectric layer overlying said top electrode of said capacitor;

an anti-reflective coating (ARC) layer overlying said stress-balancing layer;
a gate oxide layer overlying said substrate; and
transistor gates overlying said gate oxide layer and said ARC layer over said capacitor.

- 19. (Withdrawn) The device according to Claim 18 wherein said stress-balancing dielectric layer has a stress opposite to said ARC layer's intrinsic stress.
- 20. (Withdrawn) The device according to Claim 18 wherein said stress-balancing dielectric layer comprises oxide, silicon nitride, or silicon oxynitride.
- 21. (Withdrawn) The device according to Claim 18 wherein said ARC layer comprises silicon oxynitride deposited by plasma-enhanced chemical vapor deposition (PECVD).
- 22. (Withdrawn) The device according to Claim 18 wherein said ARC layer has an intrinsic tensile stress and wherein said stress-balancing layer has a compressive stress.
- 23. (Withdrawn) The device according to Claim 18 wherein said ARC layer has an intrinsic compressive stress and wherein said stress-balancing layer has a tensile stress.
- 24. (Withdrawn) The device according to Claim 18 wherein said device comprises a single transistor RAM device.

25.	(Withdrawn)	The device according to Claim 18 wherein said device comprises a single
transistor SRAM device.		